

December 12, 2006

Zane O'Connor
TN & Associates
Engineering & Science
317 East Main Street
Ventura, CA 93001-2624

Subject: **Calscience Work Order No.: 06-12-0268**
Client Reference: PEMACO

Dear Client:

Enclosed is an analytical report for the above-referenced project. The samples included in this report were received 12/5/2006 and analyzed in accordance with the attached chain-of-custody.

Unless otherwise noted, all analytical testing was accomplished in accordance with the guidelines established in our Quality Systems Manual, applicable standard operating procedures, and other related documentation. The original report of subcontracted analysis, if any, is provided herein, and follows the standard Calscience data package. The results in this analytical report are limited to the samples tested and any reproduction thereof must be made in its entirety.

If you have any questions regarding this report, please do not hesitate to contact the undersigned.

Sincerely,

A handwritten signature in black ink that reads "Virendra R Patel". The signature is enclosed in an oval shape.

Calscience Environmental
Laboratories, Inc.
Virendra Patel
Project Manager

CA-ELAP ID: 1230

NELAP ID: 03220CA

CSDLAC ID: 10109

SCAQMD ID: 93LA0830

7440 Lincoln Way, Garden Grove, CA 92841-1427 · TEL:(714) 895-5494 · FAX: (714) 894-7501



Case Narrative for 06-12-0268

Sample Condition on Receipt

One aqueous sample and eighteen soil samples were received as part of this Work Order on December 04, 2006. All samples were transferred to the laboratory in an ice-chest following strict chain-of-custody procedures. The temperature (3.8°C) of the samples was measured upon arrival in the laboratory and was within acceptable limits. The samples were logged into the Laboratory Information Management System (LIMS), given laboratory identification numbers, and stored in refrigeration units pending analysis.

Data Summary

The samples included in this report were analyzed in accordance with the attached chain-of custody (COC) record. Data is presented on a wet weight basis.

Holding Times

All holding time requirements were met.

Calibration

Frequency and control criteria for initial and continuing calibration verifications were met.

Blanks

The method blank data showed non-detectable levels, with the exception of trace levels of select constituents. Please see Table A below for details.

Table A: Trace levels present in associated method blanks

EPA Method 8260B	
Batch #	Analyte(s)
061206L02	Benzene & Toluene
061206L02	Acetone & Toluene
061207L01	Benzene, Toluene, p/m-Xylene & Hexane
061208L01	Methylene Chloride & Hexane





Case Narrative for 06-12-0268

Matrix Spikes

Matrix Spikes (MS) and Matrix Spike Duplicates (MSD) were performed at required frequencies. All recoveries were within acceptable limits, with the exception of specific analytes by EPA Method 8260B. Please see Table B below for details.

Table B: Matrix Spike / Matrix Spike Duplicate outside acceptable limits	
EPA Method 8260B	
Batch #	Analytes(s)
061206S01	Ethanol

Note that the corresponding Laboratory Control Sample (LCS) and Laboratory Control Sample Duplicate (LCSD) recoveries were within control limits, indicating a matrix interference effect. Therefore, the data is released without further action or qualification.

Laboratory Control Samples

The Laboratory Control Sample (LCS) analyses were performed at the required frequencies. All recoveries were within acceptable limits.

Surrogates

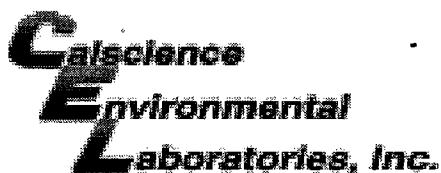
Surrogate recoveries for all samples were within acceptable control limits.



CALSCIENCE ENVIRONMENTAL LABORATORIES, INC.
Sample Summary Report

WORK ORDER #: **06-12-0268**QAPP: **0000**

#	<i>Client Sample ID</i>	<i>Matrix</i>	<i>Date Collected</i>	<i>NoC</i>	<i>Comment</i>
1	TMP-3-25	S	12/05/2006	4	
2	TMP-3-30	S	12/05/2006	4	
3	TMP-3-35	S	12/05/2006	4	
4	TMP-3-40	S	12/05/2006	4	
5	TMP-3-45	S	12/05/2006	4	
6	TMP-3-50	S	12/05/2006	4	
7	TMP-3-55	S	12/05/2006	4	
8	TMP-3-60	S	12/05/2006	4	
9	TMP-3-65	S	12/05/2006	4	
10	TMP-3-70	S	12/05/2006	4	
11	TMP-3-75	S	12/05/2006	4	
12	TMP-3-80	S	12/05/2006	12	
13	TMP-3-85	S	12/05/2006	4	
14	TMP-3-90	S	12/05/2006	4	
15	TMP-3-95	S	12/05/2006	4	
16	TMP-3-100	S	12/05/2006	4	
17	EB-12.5.06	W	12/05/2006	3	
18	TMP-3-40X	S	12/05/2006	4	
19	TMP-3-90X	S	12/05/2006	4	

WORK ORDER #: 06 - Cooler 1 of 1**SAMPLE RECEIPT FORM**CLIENT: T N & ADATE: 12/5/06**TEMPERATURE – SAMPLES RECEIVED BY:****CALSCIENCE COURIER:**

- Chilled, cooler with temperature blank provided.
 Chilled, cooler without temperature blank.
 Chilled and placed in cooler with wet ice.
 Ambient and placed in cooler with wet ice.
 Ambient temperature.

LABORATORY (Other than Calscience Courier):

- °C Temperature blank.
 °C IR thermometer.
 Ambient temperature.

3.8 °C Temperature blank.Initial: A.M.**CUSTODY SEAL INTACT:**

Sample(s): _____

Cooler: _____

No (Not Intact): _____

Not Present: /Initial: A.M.**SAMPLE CONDITION:**

Yes No N/A

- Chain-Of-Custody document(s) received with samples..... /
- Sampler's name indicated on COC..... /
- Sample container label(s) consistent with custody papers..... /
- Sample container(s) intact and good condition..... /
- Correct containers and volume for analyses requested..... /
- Proper preservation noted on sample label(s)..... / SA
- VOA vial(s) free of headspace..... / TS
- Tedlar bag(s) free of condensation..... /

Initial: A.M.**COMMENTS:**

**CALSCIENCE ENVIRONMENTAL
LABORATORIES, INC.**

7440 LINCOLN WAY
GARDEN GROVE, CA 92841-1427
TEL: (714) 895-5494 • FAX: (714) 894-7501

CHAIN OF CUSTODY RECORD

Date 10/15/06

Page 1 of 2

LABORATORY CLIENT: T N 3 Associates, Inc.		CLIENT PROJECT NAME / NUMBER: <u>Pennaco / 2005083</u>		P.O. NO.:	
ADDRESS: <u>317 E. Main St.</u>		PROJECT CONTACT: <u>Zane (805) 431-4576</u>		LAB USE ONLY <u>1 - 0 2 6 8</u>	
CITY <u>Ventura</u>	STATE <u>CA</u>	ZIP <u>93001</u>	SAMPLER(S) <u>(SIGNATURE)</u>	COELT LOG CODE	COOLER RECEIPT
TEL: <u>805-585-6391</u>	FAX: <u>805-585-2111</u>	E-MAIL: <u>emutkowske@trinew.com</u>			TEMP = <u>°C</u>
REQUESTED ANALYSES					
<input type="checkbox"/> SAME DAY <input type="checkbox"/> 24 HR <input type="checkbox"/> 48 HR <input type="checkbox"/> 72 HR <input checked="" type="checkbox"/> 5 DAYS <input type="checkbox"/> 10 DAYS					
SPECIAL REQUIREMENTS (ADDITIONAL COSTS MAY APPLY) <input type="checkbox"/> RWQCB REPORTING FORMS <input type="checkbox"/> COELT EDF					
SPECIAL INSTRUCTIONS: * VOCs + hexane + isopropanol * Level 3 data packages					
LAB USE ONLY	SAMPLE ID	FIELD POINT NAME (FOR COELT EDF)	SAMPLING DATE	MATRIX TIME	NO. OF CONT.
1	TMP-3-25		10/15/06	10:55 Soil	4
2	TMP-3-30			11:10	1
3	TMP-3-35			11:20	1
4	TMP-3-40			11:35	1
5	TMP-3-45			11:45	1
6	TMP-3-50			11:50	1
7	TMP-3-55			12:00	1
8	TMP-3-60			12:10	1
9	TMP-3-65			12:20	1
10	TMP-3-70			13:25	1
Relinquished by: (Signature) <u>Alex Hayes</u> Received by: (Signature) <u>Alex Hayes</u> Date: <u>10/15/06</u> Time: <u>16:08</u> Relinquished by: (Signature) <u>Alex Hayes</u> Received by: (Signature) <u>Alex Hayes</u> Date: <u>10/15/06</u> Time: <u>17:40</u> Relinquished by: (Signature) <u>Alex Hayes</u> Received for Laboratory by: (Signature) <u>Alex Hayes</u> Date: <u></u> Time: <u></u>					

DISTRIBUTION: When with final report, Green to file, Yellow to Client.
Please note that pages 1 and 2 of 2 of our T/Cs are printed on the reverse side of the Green and Yellow copies respectively.

10/20/04 Revision

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LABORATORIES, INC.**

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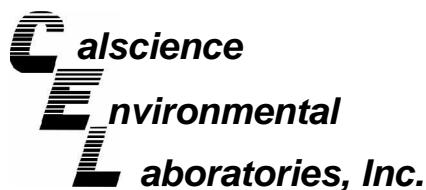
CHAIN OF CUSTODY RECORD

10/15/06

Date 10/15/06 Page 2 of 2

LABORATORY CLIENT: TN3 Associates, Inc.		CLIENT PROJECT NAME / NUMBER: <u>Penace 200503</u>	P.O. NO.:																																																																																																																							
ADDRESS: <u>317 E. Main St.</u>	STATE: <u>CA</u>	PROJECT CONTACT: <u>Zane (805) 843-4506</u>	LAB USE ONLY <input checked="" type="checkbox"/> - <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>																																																																																																																							
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TEL: <u>805-585-6391</u>	FAX: <u>805-585-2111</u>	E-MAIL: <u>emuthowska@maine.com</u>	COOLER RECEIPT <input type="checkbox"/>																																																																																																																							
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Analytical Report



TN & Associates
Engineering & Science
317 East Main Street
Ventura, CA 93001-2624

Date Received: 12/05/06
Work Order No: 06-12-0268
Preparation: EPA 5035
Method: EPA 8260B
Units: ug/kg

Project: PEMACO

Page 1 of 26

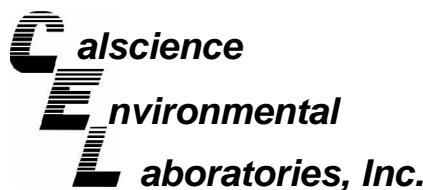
Client Sample Number	Lab Sample Number	Date Collected	Matrix	Date Prepared	Date Analyzed	QC Batch ID
TMP-3-25	06-12-0268-1	12/05/06	Solid	12/05/06	12/07/06	061207L01

Comment(s): -Results were evaluated to the MDL, concentrations >= to the MDL but < RL, if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qual	Parameter	Result	RL	MDL	DF	Qual
Acetone	5.9	39.0	5.0	0.772	J	2,2-Dichloropropane	ND	3.9	0.35	0.772	
Benzene	0.27	0.77	0.10	0.772	J,B	1,1-Dichloropropene	ND	1.5	0.17	0.772	
Bromobenzene	ND	0.77	0.16	0.772		c-1,3-Dichloropropene	ND	0.77	0.14	0.772	
Bromoform	ND	1.5	1.1	0.772		t-1,3-Dichloropropene	ND	1.5	1.5	0.772	
Bromodichloromethane	ND	0.77	0.11	0.772		Ethylbenzene	ND	0.77	0.12	0.772	
Bromomethane	ND	3.9	0.51	0.772		2-Hexanone	ND	15	4.3	0.772	
2-Butanone	ND	15	1.4	0.772		Isopropylbenzene	ND	0.77	0.092	0.772	
n-Butylbenzene	ND	0.77	0.17	0.772		p-Isopropyltoluene	ND	0.77	0.089	0.772	
sec-Butylbenzene	ND	0.77	0.080	0.772		Methylene Chloride	ND	7.7	4.0	0.772	
tert-Butylbenzene	ND	0.77	0.095	0.772		4-Methyl-2-Pentanone	ND	15	1.6	0.772	
Carbon Disulfide	0.17	7.70	0.14	0.772	J	Naphthalene	ND	7.7	0.25	0.772	
Carbon Tetrachloride	ND	0.77	0.25	0.772		n-Propylbenzene	ND	0.77	0.79	0.772	
Chlorobenzene	ND	0.77	0.12	0.772		Styrene	ND	0.77	0.16	0.772	
Chloroethane	ND	1.5	0.32	0.772		1,1,1,2-Tetrachloroethane	ND	0.77	0.26	0.772	
Chloroform	ND	0.77	0.13	0.772		1,1,2,2-Tetrachloroethane	ND	1.5	0.18	0.772	
Chloromethane	ND	15	2.3	0.772		Tetrachloroethene	ND	0.77	0.13	0.772	
2-Chlorotoluene	ND	0.77	0.090	0.772		Toluene	0.16	0.77	0.12	0.772	J,B
4-Chlorotoluene	ND	0.77	0.081	0.772		1,2,3-Trichlorobenzene	ND	1.5	0.16	0.772	
Dibromochloromethane	ND	1.5	0.15	0.772		1,2,4-Trichlorobenzene	ND	1.5	0.14	0.772	
1,2-Dibromo-3-Chloropropane	ND	3.9	2.8	0.772		1,1,1-Trichloroethane	ND	0.77	0.20	0.772	
1,2-Dibromoethane	ND	0.77	0.35	0.772		1,1,2-Trichloroethane	ND	0.77	0.19	0.772	
Dibromomethane	ND	0.77	0.54	0.772		1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	7.7	0.36	0.772	
1,2-Dichlorobenzene	ND	0.77	0.099	0.772		Trichloroethene	18	2	0.14	0.772	
1,3-Dichlorobenzene	ND	0.77	0.13	0.772		Trichlorofluoromethane	0.12	7.70	0.12	0.772	J
1,4-Dichlorobenzene	ND	0.77	0.12	0.772		1,2,3-Trichloropropane	ND	1.5	0.50	0.772	
Dichlorodifluoromethane	ND	1.5	0.15	0.772		1,2,4-Trimethylbenzene	ND	1.5	0.090	0.772	
1,1-Dichloroethane	ND	0.77	0.12	0.772		1,3,5-Trimethylbenzene	ND	1.5	0.076	0.772	
1,2-Dichloroethane	ND	0.77	0.13	0.772		Vinyl Acetate	ND	7.7	5.8	0.772	
1,1-Dichloroethene	ND	0.77	0.11	0.772		Vinyl Chloride	ND	0.77	0.17	0.772	
c-1,2-Dichloroethene	0.46	0.77	0.22	0.772	J	p/m-Xylene	ND	1.5	0.16	0.772	
t-1,2-Dichloroethene	ND	0.77	0.19	0.772		o-Xylene	ND	0.77	0.089	0.772	
1,2-Dichloropropane	ND	0.77	0.21	0.772		Methyl-t-Butyl Ether (MTBE)	ND	1.5	0.10	0.772	
1,3-Dichloropropane	ND	0.77	0.14	0.772		Hexane	ND	0.77	0.080	0.772	
<u>Surrogates:</u>	<u>REC (%)</u>	<u>Control Limits</u>		<u>Qual</u>	<u>Surrogates:</u>	<u>REC (%)</u>	<u>Control Limits</u>		<u>Qual</u>		
Dibromofluoromethane	111	71-137			1,2-Dichloroethane-d4	137	58-160				
1,4-Bromofluorobenzene	98	66-126			Toluene-d8	101	87-111				

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

7440 Lincoln Way, Garden Grove, CA 92841-1427 • TEL:(714) 895-5494 • FAX: (714) 894-7501



Analytical Report



TN & Associates
Engineering & Science
317 East Main Street
Ventura, CA 93001-2624

Date Received: 12/05/06
Work Order No: 06-12-0268
Preparation: EPA 5035
Method: EPA 8260B
Units: ug/kg

Project: PEMACO

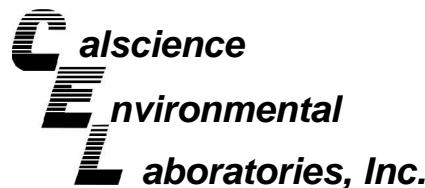
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Client Sample Number	Lab Sample Number	Date Collected	Matrix	Date Prepared	Date Analyzed	QC Batch ID
TMP-3-30	06-12-0268-2	12/05/06	Solid	12/05/06	12/07/06	061207L01

Comment(s): -Results were evaluated to the MDL, concentrations >= to the MDL but < RL, if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qual	Parameter	Result	RL	MDL	DF	Qual
Acetone	19	39	5.1	0.787	J	2,2-Dichloropropane	ND	3.9	0.36	0.787	
Benzene	0.27	0.79	0.11	0.787	J,B	1,1-Dichloropropene	ND	1.6	0.17	0.787	
Bromobenzene	ND	0.79	0.16	0.787		c-1,3-Dichloropropene	ND	0.79	0.14	0.787	
Bromoform	ND	1.6	1.1	0.787		t-1,3-Dichloropropene	ND	1.6	1.5	0.787	
Bromochloromethane	ND	0.79	0.12	0.787		Ethylbenzene	ND	0.79	0.12	0.787	
Bromodichloromethane	ND	3.9	0.52	0.787		2-Hexanone	ND	16	4.4	0.787	
Bromomethane	ND	16	1.5	0.787		Isopropylbenzene	ND	0.79	0.093	0.787	
2-Butanone	ND	16	7.5	0.787		p-Isopropyltoluene	ND	0.79	0.091	0.787	
n-Butylbenzene	ND	0.79	0.17	0.787		Methylene Chloride	ND	7.9	4.1	0.787	
sec-Butylbenzene	ND	0.79	0.081	0.787		4-Methyl-2-Pentanone	ND	16	1.6	0.787	
tert-Butylbenzene	ND	0.79	0.097	0.787		Naphthalene	ND	7.9	0.26	0.787	
Carbon Disulfide	ND	7.9	0.14	0.787		n-Propylbenzene	ND	0.79	0.81	0.787	
Carbon Tetrachloride	ND	0.79	0.25	0.787		Styrene	ND	0.79	0.16	0.787	
Chlorobenzene	ND	0.79	0.12	0.787		1,1,1,2-Tetrachloroethane	ND	0.79	0.26	0.787	
Chloroethane	ND	1.6	0.33	0.787		1,1,2,2-Tetrachloroethane	ND	1.6	0.18	0.787	
Chloroform	ND	0.79	0.14	0.787		Tetrachloroethene	ND	0.79	0.13	0.787	
Chloromethane	ND	16	2.3	0.787		Toluene	0.13	0.79	0.12	0.787	J,B
2-Chlorotoluene	ND	0.79	0.092	0.787		1,2,3-Trichlorobenzene	ND	1.6	0.16	0.787	
4-Chlorotoluene	ND	0.79	0.082	0.787		1,2,4-Trichlorobenzene	ND	1.6	0.14	0.787	
Dibromochloromethane	ND	1.6	0.16	0.787		1,1,1-Trichloroethane	ND	0.79	0.20	0.787	
1,2-Dibromo-3-Chloropropane	ND	3.9	2.9	0.787		1,1,2-Trichloroethane	ND	0.79	0.19	0.787	
1,2-Dibromoethane	ND	0.79	0.35	0.787		1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	7.9	0.37	0.787	
Dibromomethane	ND	0.79	0.55	0.787		Trichloroethene	25	2	0.14	0.787	
1,2-Dichlorobenzene	ND	0.79	0.10	0.787		Trichlorofluoromethane	ND	7.9	0.12	0.787	
1,3-Dichlorobenzene	ND	0.79	0.13	0.787		1,2,3-Trichloropropane	ND	1.6	0.51	0.787	
1,4-Dichlorobenzene	ND	0.79	0.12	0.787		1,2,4-Trimethylbenzene	ND	1.6	0.092	0.787	
Dichlorodifluoromethane	ND	1.6	0.15	0.787		1,3,5-Trimethylbenzene	ND	1.6	0.078	0.787	
1,1-Dichloroethane	ND	0.79	0.13	0.787		Vinyl Acetate	ND	7.9	5.9	0.787	
1,2-Dichloroethane	ND	0.79	0.13	0.787		Vinyl Chloride	ND	0.79	0.17	0.787	
1,1-Dichloroethene	0.30	0.79	0.11	0.787	J	p/m-Xylene	ND	1.6	0.16	0.787	
c-1,2-Dichloroethene	1.1	0.8	0.22	0.787		o-Xylene	ND	0.79	0.090	0.787	
t-1,2-Dichloroethene	ND	0.79	0.20	0.787		Methyl-t-Butyl Ether (MTBE)	ND	1.6	0.10	0.787	
1,2-Dichloropropane	ND	0.79	0.21	0.787		Hexane	43	1	0.082	0.787	B
1,3-Dichloropropane	ND	0.79	0.14	0.787		Isopropanol	ND	39	18	0.787	
<u>Surrogates:</u>	<u>REC (%)</u>	<u>Control Limits</u>	<u>Qual</u>	<u>Surrogates:</u>	<u>REC (%)</u>	<u>Control Limits</u>	<u>Qual</u>				
Dibromofluoromethane	103	71-137		1,2-Dichloroethane-d4	129	58-160					
1,4-Bromofluorobenzene	105	66-126		Toluene-d8	101	87-111					

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers



Analytical Report



TN & Associates
Engineering & Science
317 East Main Street
Ventura, CA 93001-2624

Date Received: 12/05/06
Work Order No: 06-12-0268
Preparation: EPA 5035
Method: EPA 8260B
Units: ug/kg

Project: PEMACO

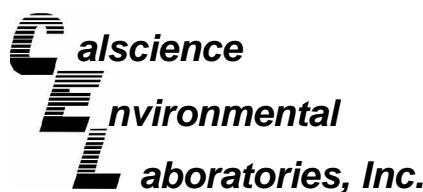
Page 4 of 26

Client Sample Number	Lab Sample Number	Date Collected	Matrix	Date Prepared	Date Analyzed	QC Batch ID
TMP-3-40	06-12-0268-4	12/05/06	Solid	12/05/06	12/08/06	061208L01

Comment(s): -Results were evaluated to the MDL, concentrations >= to the MDL but < RL, if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qual	Parameter	Result	RL	MDL	DF	Qual
Acetone	13	54	6.9	1.08	J	2,2-Dichloropropane	ND	5.4	0.49	1.08	
Benzene	ND	1.1	0.15	1.08		1,1-Dichloropropene	ND	2.2	0.24	1.08	
Bromobenzene	ND	1.1	0.23	1.08		c-1,3-Dichloropropene	ND	1.1	0.20	1.08	
Bromoform	ND	2.2	1.5	1.08		t-1,3-Dichloropropene	ND	2.2	2.1	1.08	
Bromochloromethane	ND	1.1	0.16	1.08		Ethylbenzene	ND	1.1	0.17	1.08	
Bromodichloromethane	ND	5.4	0.71	1.08		2-Hexanone	ND	22	6.0	1.08	
Bromomethane	ND	22	2.0	1.08		Isopropylbenzene	ND	1.1	0.13	1.08	
2-Butanone	ND	22	10	1.08		p-Isopropyltoluene	ND	1.1	0.12	1.08	
n-Butylbenzene	ND	1.1	0.24	1.08		Methylene Chloride	ND	11	5.6	1.08	
sec-Butylbenzene	ND	1.1	0.11	1.08		4-Methyl-2-Pentanone	ND	22	2.2	1.08	
tert-Butylbenzene	ND	1.1	0.13	1.08		Naphthalene	ND	11	0.35	1.08	
Carbon Disulfide	0.90	11.00	0.19	1.08	J	n-Propylbenzene	ND	1.1	1.1	1.08	
Carbon Tetrachloride	ND	1.1	0.34	1.08		Styrene	ND	1.1	0.22	1.08	
Chlorobenzene	ND	1.1	0.16	1.08		1,1,1,2-Tetrachloroethane	ND	1.1	0.36	1.08	
Chloroethane	ND	2.2	0.45	1.08		1,1,2,2-Tetrachloroethane	ND	2.2	0.25	1.08	
Chloroform	ND	1.1	0.19	1.08		Tetrachloroethene	ND	1.1	0.18	1.08	
Chloromethane	ND	22	3.1	1.08		Toluene	ND	1.1	0.16	1.08	
2-Chlorotoluene	ND	1.1	0.13	1.08		1,2,3-Trichlorobenzene	ND	2.2	0.22	1.08	
4-Chlorotoluene	ND	1.1	0.11	1.08		1,2,4-Trichlorobenzene	ND	2.2	0.20	1.08	
Dibromochloromethane	ND	2.2	0.22	1.08		1,1,1-Trichloroethane	ND	1.1	0.27	1.08	
1,2-Dibromo-3-Chloropropane	ND	5.4	4.0	1.08		1,1,2-Trichloroethane	ND	1.1	0.26	1.08	
1,2-Dibromoethane	ND	1.1	0.48	1.08		1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	11	0.51	1.08	
Dibromomethane	ND	1.1	0.76	1.08		Trichloroethene	0.33	2.20	0.20	1.08	J
1,2-Dichlorobenzene	ND	1.1	0.14	1.08		Trichlorofluoromethane	ND	11	0.17	1.08	
1,3-Dichlorobenzene	ND	1.1	0.18	1.08		1,2,3-Trichloropropane	ND	2.2	0.70	1.08	
1,4-Dichlorobenzene	ND	1.1	0.17	1.08		1,2,4-Trimethylbenzene	ND	2.2	0.13	1.08	
Dichlorodifluoromethane	ND	2.2	0.21	1.08		1,3,5-Trimethylbenzene	ND	2.2	0.11	1.08	
1,1-Dichloroethane	ND	1.1	0.17	1.08		Vinyl Acetate	ND	11	8.1	1.08	
1,2-Dichloroethane	ND	1.1	0.18	1.08		Vinyl Chloride	ND	1.1	0.23	1.08	
1,1-Dichloroethene	ND	1.1	0.15	1.08		p/m-Xylene	ND	2.2	0.22	1.08	
c-1,2-Dichloroethene	ND	1.1	0.30	1.08		o-Xylene	ND	1.1	0.12	1.08	
t-1,2-Dichloroethene	ND	1.1	0.27	1.08		Methyl-t-Butyl Ether (MTBE)	ND	2.2	0.14	1.08	
1,2-Dichloropropane	ND	1.1	0.29	1.08		Hexane	0.18	1.10	0.11	1.08	J,B
1,3-Dichloropropane	ND	1.1	0.19	1.08		Isopropanol	ND	54	25	1.08	
<u>Surrogates:</u>	<u>REC (%)</u>	<u>Control Limits</u>		<u>Qual</u>	<u>Surrogates:</u>	<u>REC (%)</u>	<u>Control Limits</u>		<u>Qual</u>		
Dibromofluoromethane	112	71-137			1,2-Dichloroethane-d4	139	58-160				
1,4-Bromofluorobenzene	100	66-126			Toluene-d8	99	87-111				

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers



Analytical Report



TN & Associates
Engineering & Science
317 East Main Street
Ventura, CA 93001-2624

Date Received: 12/05/06
Work Order No: 06-12-0268
Preparation: EPA 5035
Method: EPA 8260B
Units: ug/kg

Project: PEMACO

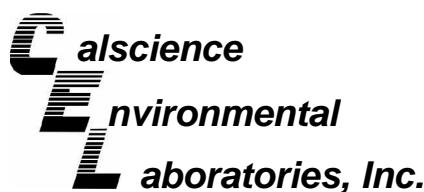
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Client Sample Number	Lab Sample Number	Date Collected	Matrix	Date Prepared	Date Analyzed	QC Batch ID
TMP-3-45	06-12-0268-5	12/05/06	Solid	12/05/06	12/07/06	061207L01

Comment(s): -Results were evaluated to the MDL, concentrations >= to the MDL but < RL, if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qual	Parameter	Result	RL	MDL	DF	Qual
Acetone	14	64	8.2	1.27	J	2,2-Dichloropropane	ND	6.4	0.58	1.27	
Benzene	1.8	1.3	0.17	1.27	B	1,1-Dichloropropene	ND	2.5	0.28	1.27	
Bromobenzene	ND	1.3	0.27	1.27		c-1,3-Dichloropropene	ND	1.3	0.23	1.27	
Bromoform	ND	2.5	1.8	1.27		t-1,3-Dichloropropene	ND	2.5	2.4	1.27	
Bromochloromethane	ND	1.3	0.19	1.27		Ethylbenzene	ND	1.3	0.20	1.27	
Bromodichloromethane	ND	6.4	0.84	1.27		2-Hexanone	ND	25	7.1	1.27	
Bromomethane	ND	25	2.3	1.27		Isopropylbenzene	ND	1.3	0.15	1.27	
2-Butanone	ND	25	12	1.27		p-Isopropyltoluene	ND	1.3	0.15	1.27	
n-Butylbenzene	ND	1.3	0.28	1.27		Methylene Chloride	ND	13	6.6	1.27	
sec-Butylbenzene	ND	1.3	0.13	1.27		4-Methyl-2-Pentanone	ND	25	2.6	1.27	
tert-Butylbenzene	ND	1.3	0.16	1.27		Naphthalene	ND	13	0.41	1.27	
Carbon Disulfide	ND	13	0.22	1.27		n-Propylbenzene	ND	1.3	1.3	1.27	
Carbon Tetrachloride	ND	1.3	0.41	1.27		Styrene	ND	1.3	0.26	1.27	
Chlorobenzene	ND	1.3	0.19	1.27		1,1,1,2-Tetrachloroethane	ND	1.3	0.42	1.27	
Chloroethane	ND	2.5	0.53	1.27		1,1,2,2-Tetrachloroethane	ND	2.5	0.29	1.27	
Chloroform	ND	1.3	0.22	1.27		Tetrachloroethene	ND	1.3	0.22	1.27	
Chloromethane	ND	25	3.7	1.27		Toluene	1.2	1.3	0.19	1.27	J,B
2-Chlorotoluene	ND	1.3	0.15	1.27		1,2,3-Trichlorobenzene	ND	2.5	0.26	1.27	
4-Chlorotoluene	ND	1.3	0.13	1.27		1,2,4-Trichlorobenzene	ND	2.5	0.23	1.27	
Dibromochloromethane	ND	2.5	0.25	1.27		1,1,1-Trichloroethane	ND	1.3	0.32	1.27	
1,2-Dibromo-3-Chloropropane	ND	6.4	4.7	1.27		1,1,2-Trichloroethane	ND	1.3	0.31	1.27	
1,2-Dibromoethane	ND	1.3	0.57	1.27		1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	13	0.60	1.27	
Dibromomethane	ND	1.3	0.89	1.27		Trichloroethene	47	2	0.23	1.27	
1,2-Dichlorobenzene	ND	1.3	0.16	1.27		Trichlorofluoromethane	ND	13	0.20	1.27	
1,3-Dichlorobenzene	ND	1.3	0.21	1.27		1,2,3-Trichloropropane	ND	2.5	0.83	1.27	
1,4-Dichlorobenzene	ND	1.3	0.20	1.27		1,2,4-Trimethylbenzene	ND	2.5	0.15	1.27	
Dichlorodifluoromethane	ND	2.5	0.25	1.27		1,3,5-Trimethylbenzene	ND	2.5	0.13	1.27	
1,1-Dichloroethane	ND	1.3	0.20	1.27		Vinyl Acetate	ND	13	9.5	1.27	
1,2-Dichloroethane	ND	1.3	0.22	1.27		Vinyl Chloride	ND	1.3	0.27	1.27	
1,1-Dichloroethene	ND	1.3	0.18	1.27		p/m-Xylene	0.36	2.50	0.26	1.27	J,B
c-1,2-Dichloroethene	3.2	1.3	0.36	1.27		o-Xylene	ND	1.3	0.15	1.27	
t-1,2-Dichloroethene	ND	1.3	0.32	1.27		Methyl-t-Butyl Ether (MTBE)	ND	2.5	0.17	1.27	
1,2-Dichloropropane	ND	1.3	0.34	1.27		Hexane	10	1	0.13	1.27	B
1,3-Dichloropropane	ND	1.3	0.22	1.27		Isopropanol	ND	64	29	1.27	
Surrogates:	REC (%)	Control Limits		Qual	Surrogates:	REC (%)	Control Limits		Qual		
Dibromofluoromethane	105	71-137			1,2-Dichloroethane-d4	133	58-160				
1,4-Bromofluorobenzene	101	66-126			Toluene-d8	103	87-111				

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers



Analytical Report



TN & Associates
Engineering & Science
317 East Main Street
Ventura, CA 93001-2624

Date Received: 12/05/06
Work Order No: 06-12-0268
Preparation: EPA 5035
Method: EPA 8260B
Units: ug/kg

Project: PEMACO

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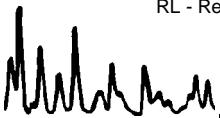
Client Sample Number	Lab Sample Number	Date Collected	Matrix	Date Prepared	Date Analyzed	QC Batch ID
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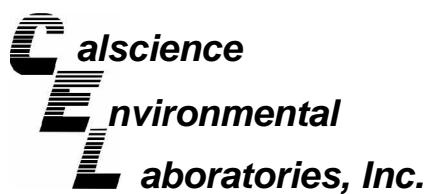
Comment(s): -Results were evaluated to the MDL, concentrations >= to the MDL but < RL, if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qual	Surrogates:	REC (%)	Control Limits	Surrogates:	REC (%)	Control Limits	Qual
Trichloroethene	310	100	9.0	49.8								
Surrogates:	REC (%)	Control Limits		Qual								
Dibromofluoromethane	102	71-137				1,2-Dichloroethane-d4			105	58-160		
1,4-Bromofluorobenzene	97	66-126				Toluene-d8			98	87-111		

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

7440 Lincoln Way, Garden Grove, CA 92841-1427 · TEL:(714) 895-5494 · FAX: (714) 894-7501





Analytical Report



TN & Associates
Engineering & Science
317 East Main Street
Ventura, CA 93001-2624

Date Received: 12/05/06
Work Order No: 06-12-0268
Preparation: EPA 5035
Method: EPA 8260B
Units: ug/kg

Project: PEMACO

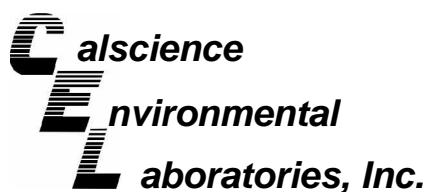
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Client Sample Number	Lab Sample Number	Date Collected	Matrix	Date Prepared	Date Analyzed	QC Batch ID
TMP-3-55	06-12-0268-7	12/05/06	Solid	12/05/06	12/07/06	061207L01

Comment(s): -Results were evaluated to the MDL, concentrations >= to the MDL but < RL, if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qual	Parameter	Result	RL	MDL	DF	Qual
Acetone	15	45	5.7	0.894	J	2,2-Dichloropropane	ND	4.5	0.41	0.894	
Benzene	1.1	0.9	0.12	0.894	B	1,1-Dichloropropene	ND	1.8	0.20	0.894	
Bromobenzene	ND	0.89	0.19	0.894		c-1,3-Dichloropropene	ND	0.89	0.16	0.894	
Bromoform	ND	1.8	1.2	0.894		t-1,3-Dichloropropene	ND	1.8	1.7	0.894	
Bromochloromethane	ND	0.89	0.13	0.894		Ethylbenzene	ND	0.89	0.14	0.894	
Bromodichloromethane	ND	4.5	0.59	0.894		2-Hexanone	ND	18	5.0	0.894	
Bromomethane	ND	18	1.7	0.894		Isopropylbenzene	ND	0.89	0.11	0.894	
2-Butanone	ND	18	8.5	0.894		p-Isopropyltoluene	ND	0.89	0.10	0.894	
n-Butylbenzene	ND	0.89	0.20	0.894		Methylene Chloride	ND	8.9	4.6	0.894	
sec-Butylbenzene	ND	0.89	0.092	0.894		4-Methyl-2-Pentanone	ND	18	1.8	0.894	
tert-Butylbenzene	ND	0.89	0.11	0.894		Naphthalene	ND	8.9	0.29	0.894	
Carbon Disulfide	ND	8.9	0.16	0.894		n-Propylbenzene	ND	0.89	0.92	0.894	
Carbon Tetrachloride	ND	0.89	0.29	0.894		Styrene	ND	0.89	0.18	0.894	
Chlorobenzene	ND	0.89	0.13	0.894		1,1,1,2-Tetrachloroethane	ND	0.89	0.30	0.894	
Chloroethane	ND	1.8	0.37	0.894		1,1,2,2-Tetrachloroethane	ND	1.8	0.21	0.894	
Chloroform	ND	0.89	0.15	0.894		Tetrachloroethene	0.93	0.89	0.15	0.894	
Chloromethane	ND	18	2.6	0.894		Toluene	0.76	0.89	0.13	0.894	J,B
2-Chlorotoluene	ND	0.89	0.10	0.894		1,2,3-Trichlorobenzene	ND	1.8	0.18	0.894	
4-Chlorotoluene	ND	0.89	0.093	0.894		1,2,4-Trichlorobenzene	ND	1.8	0.16	0.894	
Dibromochloromethane	ND	1.8	0.18	0.894		1,1,1-Trichloroethane	ND	0.89	0.23	0.894	
1,2-Dibromo-3-Chloropropane	ND	4.5	3.3	0.894		1,1,2-Trichloroethane	ND	0.89	0.22	0.894	
1,2-Dibromoethane	ND	0.89	0.40	0.894		1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	8.9	0.42	0.894	
Dibromomethane	ND	0.89	0.63	0.894		Trichloroethene	410	2	0.16	0.894	E
1,2-Dichlorobenzene	ND	0.89	0.11	0.894		Trichlorofluoromethane	ND	8.9	0.14	0.894	
1,3-Dichlorobenzene	ND	0.89	0.15	0.894		1,2,3-Trichloropropane	ND	1.8	0.58	0.894	
1,4-Dichlorobenzene	ND	0.89	0.14	0.894		1,2,4-Trimethylbenzene	ND	1.8	0.10	0.894	
Dichlorodifluoromethane	ND	1.8	0.17	0.894		1,3,5-Trimethylbenzene	ND	1.8	0.088	0.894	
1,1-Dichloroethane	ND	0.89	0.14	0.894		Vinyl Acetate	ND	8.9	6.7	0.894	
1,2-Dichloroethane	ND	0.89	0.15	0.894		Vinyl Chloride	1.2	0.9	0.19	0.894	
1,1-Dichloroethene	1.0	0.9	0.12	0.894		p/m-Xylene	ND	1.8	0.18	0.894	
c-1,2-Dichloroethene	14	1	0.25	0.894		o-Xylene	ND	0.89	0.10	0.894	
t-1,2-Dichloroethene	1.1	0.9	0.23	0.894		Methyl-t-Butyl Ether (MTBE)	ND	1.8	0.12	0.894	
1,2-Dichloropropane	ND	0.89	0.24	0.894		Hexane	53	1	0.093	0.894	B
1,3-Dichloropropane	ND	0.89	0.16	0.894		Isopropanol	ND	45	20	0.894	
Surrogates:	REC (%)	Control Limits		Qual	Surrogates:	REC (%)	Control Limits		Qual		
Dibromofluoromethane	109	71-137			1,2-Dichloroethane-d4	139	58-160				
1,4-Bromofluorobenzene	102	66-126			Toluene-d8	100	87-111				

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers



Analytical Report



TN & Associates
Engineering & Science
317 East Main Street
Ventura, CA 93001-2624

Date Received: 12/05/06
Work Order No: 06-12-0268
Preparation: EPA 5035
Method: EPA 8260B
Units: ug/kg

Project: PEMACO

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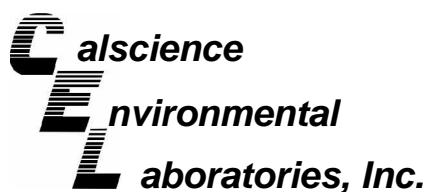
Client Sample Number	Lab Sample Number	Date Collected	Matrix	Date Prepared	Date Analyzed	QC Batch ID
TMP-3-55	06-12-0268-7	12/05/06	Solid	12/05/06	12/06/06	061206L02

Comment(s): -Results were evaluated to the MDL, concentrations >= to the MDL but < RL, if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qual	Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
Trichloroethene	300	110	9.8	54.2									
Surrogates:	REC (%)	Control Limits		Qual									
Dibromofluoromethane	98	71-137				1,2-Dichloroethane-d4				113	58-160		
1,4-Bromofluorobenzene	103	66-126				Toluene-d8				100	87-111		

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

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Analytical Report



TN & Associates
Engineering & Science
317 East Main Street
Ventura, CA 93001-2624

Date Received: 12/05/06
Work Order No: 06-12-0268
Preparation: EPA 5035
Method: EPA 8260B
Units: ug/kg

Project: PEMACO

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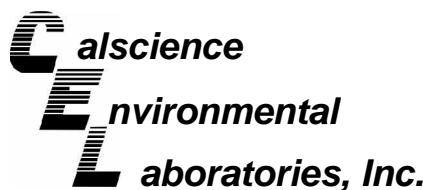
Client Sample Number	Lab Sample Number	Date Collected	Matrix	Date Prepared	Date Analyzed	QC Batch ID
TMP-3-60	06-12-0268-8	12/05/06	Solid	12/05/06	12/06/06	061206L02

Comment(s): -Results were evaluated to the MDL, concentrations >= to the MDL but < RL, if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qual	Surrogates:	REC (%)	Control Limits	Qual
Trichloroethene	150	85	7.7	42.4					
Surrogates:	REC (%)	Control Limits		Qual	Surrogates:		REC (%)	Control Limits	Qual
Dibromofluoromethane	99	71-137			1,2-Dichloroethane-d4		108	58-160	
1,4-Bromofluorobenzene	100	66-126			Toluene-d8		99	87-111	

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

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Analytical Report



TN & Associates
Engineering & Science
317 East Main Street
Ventura, CA 93001-2624

Date Received: 12/05/06
Work Order No: 06-12-0268
Preparation: EPA 5035
Method: EPA 8260B
Units: ug/kg

Project: PEMACO

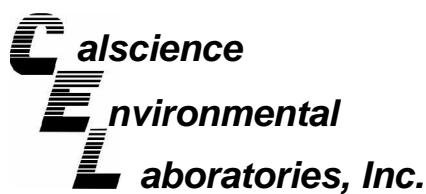
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Client Sample Number	Lab Sample Number	Date Collected	Matrix	Date Prepared	Date Analyzed	QC Batch ID
TMP-3-65	06-12-0268-9	12/05/06	Solid	12/05/06	12/07/06	061207L01

Comment(s): -Results were evaluated to the MDL, concentrations >= to the MDL but < RL, if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qual	Parameter	Result	RL	MDL	DF	Qual
Acetone	24	64	8.2	1.28	J	2,2-Dichloropropane	ND	6.4	0.58	1.28	
Benzene	5.5	1.3	0.17	1.28	B	1,1-Dichloropropene	ND	2.6	0.28	1.28	
Bromobenzene	ND	1.3	0.27	1.28		c-1,3-Dichloropropene	ND	1.3	0.23	1.28	
Bromoform	ND	2.6	1.8	1.28		t-1,3-Dichloropropene	ND	2.6	2.4	1.28	
Bromochloromethane	ND	1.3	0.19	1.28		Ethylbenzene	0.46	1.30	0.20	1.28	J
Bromodichloromethane	ND	1.3	0.85	1.28		2-Hexanone	ND	26	7.2	1.28	
Bromomethane	ND	26	2.4	1.28		Isopropylbenzene	ND	1.3	0.15	1.28	
2-Butanone	16	26	12	1.28	J	p-Isopropyltoluene	ND	1.3	0.15	1.28	
n-Butylbenzene	ND	1.3	0.28	1.28		Methylene Chloride	ND	13	6.6	1.28	
sec-Butylbenzene	ND	1.3	0.13	1.28		4-Methyl-2-Pentanone	ND	26	2.6	1.28	
tert-Butylbenzene	ND	1.3	0.16	1.28		Naphthalene	ND	13	0.42	1.28	
Carbon Disulfide	0.24	13.00	0.22	1.28	J	n-Propylbenzene	ND	1.3	1.3	1.28	
Carbon Tetrachloride	ND	1.3	0.41	1.28		Styrene	ND	1.3	0.26	1.28	
Chlorobenzene	ND	1.3	0.19	1.28		1,1,1,2-Tetrachloroethane	ND	1.3	0.43	1.28	
Chloroethane	ND	2.6	0.53	1.28		1,1,2,2-Tetrachloroethane	ND	2.6	0.30	1.28	
Chloroform	ND	1.3	0.22	1.28		Tetrachloroethene	0.37	1.30	0.22	1.28	J
Chloromethane	ND	26	3.7	1.28		Toluene	3.9	1.3	0.19	1.28	B
2-Chlorotoluene	ND	1.3	0.15	1.28		1,2,3-Trichlorobenzene	ND	2.6	0.26	1.28	
4-Chlorotoluene	ND	1.3	0.13	1.28		1,2,4-Trichlorobenzene	ND	2.6	0.23	1.28	
Dibromochloromethane	ND	2.6	0.26	1.28		1,1,1-Trichloroethane	ND	1.3	0.32	1.28	
1,2-Dibromo-3-Chloropropane	ND	6.4	4.7	1.28		1,1,2-Trichloroethane	ND	1.3	0.31	1.28	
1,2-Dibromoethane	ND	1.3	0.57	1.28		1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	13	0.60	1.28	
Dibromomethane	ND	1.3	0.90	1.28		Trichloroethene	200	3	0.23	1.28	
1,2-Dichlorobenzene	ND	1.3	0.16	1.28		Trichlorofluoromethane	ND	13	0.20	1.28	
1,3-Dichlorobenzene	ND	1.3	0.21	1.28		1,2,3-Trichloropropane	ND	2.6	0.83	1.28	
1,4-Dichlorobenzene	ND	1.3	0.20	1.28		1,2,4-Trimethylbenzene	ND	2.6	0.15	1.28	
Dichlorodifluoromethane	ND	2.6	0.25	1.28		1,3,5-Trimethylbenzene	ND	2.6	0.13	1.28	
1,1-Dichloroethane	ND	1.3	0.20	1.28		Vinyl Acetate	ND	13	9.6	1.28	
1,2-Dichloroethane	ND	1.3	0.22	1.28		Vinyl Chloride	0.31	1.30	0.27	1.28	J
1,1-Dichloroethene	0.28	1.30	0.18	1.28	J	p/m-Xylene	0.93	2.60	0.26	1.28	J,B
c-1,2-Dichloroethene	6.1	1.3	0.36	1.28		o-Xylene	ND	1.3	0.15	1.28	
t-1,2-Dichloroethene	0.50	1.30	0.32	1.28	J	Methyl-t-Butyl Ether (MTBE)	ND	2.6	0.17	1.28	
1,2-Dichloropropane	ND	1.3	0.34	1.28		Hexane	11	1	0.13	1.28	B
1,3-Dichloropropane	ND	1.3	0.22	1.28		Isopropanol	ND	64	29	1.28	
Surrogates:	REC (%)	Control Limits		Qual	Surrogates:	REC (%)	Control Limits		Qual		
Dibromofluoromethane	111	71-137			1,2-Dichloroethane-d4	139	58-160				
1,4-Bromofluorobenzene	103	66-126			Toluene-d8	103	87-111				

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers



Analytical Report



TN & Associates
Engineering & Science
317 East Main Street
Ventura, CA 93001-2624

Date Received: 12/05/06
Work Order No: 06-12-0268
Preparation: EPA 5035
Method: EPA 8260B
Units: ug/kg

Project: PEMACO

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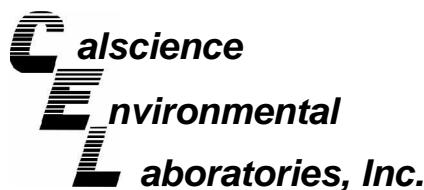
Client Sample Number	Lab Sample Number	Date Collected	Matrix	Date Prepared	Date Analyzed	QC Batch ID
TMP-3-70	06-12-0268-10	12/05/06	Solid	12/05/06	12/06/06	061206L02

Comment(s): -Results were evaluated to the MDL, concentrations >= to the MDL but < RL, if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qual	Parameter	Result	RL	MDL	DF	Qual
Acetone	ND	2500	320	49.6		2,2-Dichloropropane	ND	250	23	49.6	
Benzene	ND	50	6.7	49.6		1,1-Dichloropropene	ND	99	11	49.6	
Bromobenzene	ND	50	10	49.6		c-1,3-Dichloropropene	ND	50	9.1	49.6	
Bromoform	ND	99	69	49.6		t-1,3-Dichloropropene	ND	99	95	49.6	
Bromodichloromethane	ND	50	7.3	49.6		Ethylbenzene	ND	50	7.7	49.6	
Bromoform	ND	250	33	49.6		2-Hexanone	ND	990	280	49.6	
Bromomethane	ND	990	92	49.6		Isopropylbenzene	ND	50	5.9	49.6	
2-Butanone	ND	990	470	49.6		p-Isopropyltoluene	ND	50	5.7	49.6	
n-Butylbenzene	ND	50	11	49.6		Methylene Chloride	290	500	260	49.6	J
sec-Butylbenzene	ND	50	5.1	49.6		4-Methyl-2-Pentanone	ND	990	100	49.6	
tert-Butylbenzene	ND	50	6.1	49.6		Naphthalene	ND	500	16	49.6	
Carbon Disulfide	ND	500	8.7	49.6		n-Propylbenzene	ND	50	51	49.6	
Carbon Tetrachloride	ND	50	16	49.6		Styrene	ND	50	10	49.6	
Chlorobenzene	ND	50	7.4	49.6		1,1,1,2-Tetrachloroethane	ND	50	17	49.6	
Chloroethane	ND	99	21	49.6		1,1,2,2-Tetrachloroethane	ND	99	11	49.6	
Chloroform	ND	50	8.6	49.6		Tetrachloroethene	ND	50	8.4	49.6	
Chloromethane	ND	990	140	49.6		Toluene	7.5	50.0	7.4	49.6	J,B
2-Chlorotoluene	ND	50	5.8	49.6		1,2,3-Trichlorobenzene	ND	99	10	49.6	
4-Chlorotoluene	ND	50	5.2	49.6		1,2,4-Trichlorobenzene	ND	99	9.1	49.6	
Dibromochloromethane	ND	99	9.9	49.6		1,1,1-Trichloroethane	ND	50	13	49.6	
1,2-Dibromo-3-Chloropropane	ND	250	180	49.6		1,1,2-Trichloroethane	ND	50	12	49.6	
1,2-Dibromoethane	ND	50	22	49.6		1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	500	23	49.6	
Dibromomethane	ND	50	35	49.6		Trichloroethene	490	99	9.0	49.6	
1,2-Dichlorobenzene	ND	50	6.3	49.6		Trichlorofluoromethane	ND	500	7.8	49.6	
1,3-Dichlorobenzene	ND	50	8.1	49.6		1,2,3-Trichloropropane	ND	99	32	49.6	
1,4-Dichlorobenzene	ND	50	7.6	49.6		1,2,4-Trimethylbenzene	ND	99	5.8	49.6	
Dichlorodifluoromethane	ND	99	9.6	49.6		1,3,5-Trimethylbenzene	ND	99	4.9	49.6	
1,1-Dichloroethane	ND	50	7.9	49.6		Vinyl Acetate	ND	500	370	49.6	
1,2-Dichloroethane	ND	50	8.5	49.6		Vinyl Chloride	ND	50	11	49.6	
1,1-Dichloroethene	ND	50	6.9	49.6		p/m-Xylene	ND	99	10	49.6	
c-1,2-Dichloroethene	ND	50	14	49.6		o-Xylene	ND	50	5.7	49.6	
t-1,2-Dichloroethene	ND	50	13	49.6		Methyl-t-Butyl Ether (MTBE)	ND	99	6.6	49.6	
1,2-Dichloropropane	ND	50	13	49.6		Hexane	17	50	5.2	49.6	J
1,3-Dichloropropane	ND	50	8.7	49.6		Isopropanol	ND	2500	1100	49.6	
<u>Surrogates:</u>	<u>REC (%)</u>	<u>Control Limits</u>		<u>Qual</u>	<u>Surrogates:</u>	<u>REC (%)</u>	<u>Control Limits</u>		<u>Qual</u>		
Dibromofluoromethane	99	71-137			1,2-Dichloroethane-d4	110	58-160				
1,4-Bromofluorobenzene	99	66-126			Toluene-d8	99	87-111				

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

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Analytical Report



TN & Associates
Engineering & Science
317 East Main Street
Ventura, CA 93001-2624

Date Received: 12/05/06
Work Order No: 06-12-0268
Preparation: EPA 5035
Method: EPA 8260B
Units: ug/kg

Project: PEMACO

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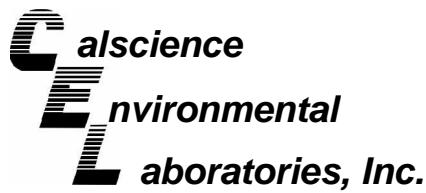
Client Sample Number	Lab Sample Number	Date Collected	Matrix	Date Prepared	Date Analyzed	QC Batch ID
TMP-3-75	06-12-0268-11	12/05/06	Solid	12/05/06	12/06/06	061206L02

Comment(s): -Results were evaluated to the MDL, concentrations >= to the MDL but < RL, if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qual	Parameter	Result	RL	MDL	DF	Qual
Acetone	ND	2200	280	44.3		2,2-Dichloropropane	ND	220	20	44.3	
Benzene	6.4	44.0	6.0	44.3	J,B	1,1-Dichloropropene	ND	89	9.8	44.3	
Bromobenzene	ND	44	9.3	44.3		c-1,3-Dichloropropene	ND	44	8.1	44.3	
Bromoform	ND	89	61	44.3		t-1,3-Dichloropropene	ND	89	84	44.3	
Bromochloromethane	ND	44	6.5	44.3		Ethylbenzene	ND	44	6.9	44.3	
Bromodichloromethane	ND	220	29	44.3		2-Hexanone	ND	890	250	44.3	
Bromoform	ND	890	82	44.3		Isopropylbenzene	ND	44	5.3	44.3	
Bromomethane	ND	890	420	44.3		p-Isopropyltoluene	ND	44	5.1	44.3	
2-Butanone	ND	44	9.8	44.3		Methylene Chloride	250	440	230	44.3	J
n-Butylbenzene	ND	44	4.6	44.3		4-Methyl-2-Pentanone	ND	890	90	44.3	
sec-Butylbenzene	ND	44	5.5	44.3		Naphthalene	ND	440	14	44.3	
tert-Butylbenzene	ND	440	7.8	44.3		n-Propylbenzene	ND	44	45	44.3	
Carbon Disulfide	ND	44	14	44.3		Styrene	ND	44	9.1	44.3	
Carbon Tetrachloride	ND	44	6.6	44.3		1,1,1,2-Tetrachloroethane	ND	44	15	44.3	
Chlorobenzene	ND	89	18	44.3		1,1,2,2-Tetrachloroethane	ND	89	10	44.3	
Chloroethane	ND	44	7.6	44.3		Tetrachloroethene	ND	44	7.5	44.3	
Chloroform	ND	890	130	44.3		Toluene	7.5	44.0	6.6	44.3	J,B
Chloromethane	ND	44	5.2	44.3		1,2,3-Trichlorobenzene	ND	89	9.0	44.3	
2-Chlorotoluene	ND	44	4.6	44.3		1,2,4-Trichlorobenzene	ND	89	8.1	44.3	
4-Chlorotoluene	ND	89	8.8	44.3		1,1,1-Trichloroethane	ND	44	11	44.3	
Dibromochloromethane	ND	220	160	44.3		1,1,2-Trichloroethane	ND	44	11	44.3	
1,2-Dibromo-3-Chloropropane	ND	44	20	44.3		1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	440	21	44.3	
1,2-Dibromoethane	ND	44	31	44.3		Trichloroethene	900	89	8.0	44.3	
Dibromomethane	ND	44	5.7	44.3		Trichlorofluoromethane	ND	440	6.9	44.3	
1,2-Dichlorobenzene	ND	44	7.2	44.3		1,2,3-Trichloropropane	ND	89	29	44.3	
1,3-Dichlorobenzene	ND	44	6.8	44.3		1,2,4-Trimethylbenzene	ND	89	5.2	44.3	
1,4-Dichlorobenzene	ND	89	8.6	44.3		1,3,5-Trimethylbenzene	ND	89	4.4	44.3	
Dichlorodifluoromethane	ND	44	7.0	44.3		Vinyl Acetate	ND	440	330	44.3	
1,1-Dichloroethane	ND	44	7.5	44.3		Vinyl Chloride	ND	44	9.5	44.3	
1,1-Dichloroethene	ND	44	6.2	44.3		p/m-Xylene	ND	89	8.9	44.3	
c-1,2-Dichloroethene	ND	44	13	44.3		o-Xylene	ND	44	5.1	44.3	
t-1,2-Dichloroethene	ND	44	11	44.3		Methyl-t-Butyl Ether (MTBE)	ND	89	5.9	44.3	
1,2-Dichloropropane	ND	44	12	44.3		Hexane	17	44	4.6	44.3	J
1,3-Dichloropropane	ND	44	7.8	44.3		Isopropanol	ND	2200	1000	44.3	
Surrogates:	REC (%)	Control Limits		Qual	Surrogates:	REC (%)	Control Limits		Qual		
Dibromofluoromethane	102	71-137			1,2-Dichloroethane-d4	115	58-160				
1,4-Bromofluorobenzene	101	66-126			Toluene-d8	102	87-111				

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

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Analytical Report



TN & Associates
Engineering & Science
317 East Main Street
Ventura, CA 93001-2624

Date Received: 12/05/06
Work Order No: 06-12-0268
Preparation: EPA 5035
Method: EPA 8260B
Units: ug/kg

Project: PEMACO

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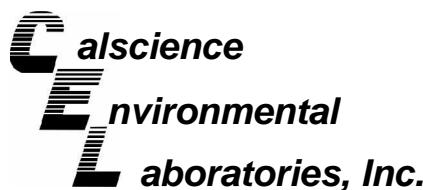
Client Sample Number	Lab Sample Number	Date Collected	Matrix	Date Prepared	Date Analyzed	QC Batch ID
TMP-3-80	06-12-0268-12	12/05/06	Solid	12/05/06	12/06/06	061206L02

Comment(s): -Results were evaluated to the MDL, concentrations >= to the MDL but < RL, if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qual	Parameter	Result	RL	MDL	DF	Qual
Acetone	ND	2300	290	45.9		2,2-Dichloropropane	ND	230	21	45.9	
Benzene	ND	46	6.2	45.9		1,1-Dichloropropene	ND	92	10	45.9	
Bromobenzene	ND	46	9.6	45.9		c-1,3-Dichloropropene	ND	46	8.4	45.9	
Bromoform	ND	92	63	45.9		t-1,3-Dichloropropene	ND	92	87	45.9	
Bromochloromethane	ND	46	6.7	45.9		Ethylbenzene	ND	46	7.1	45.9	
Bromodichloromethane	ND	230	30	45.9		2-Hexanone	ND	920	260	45.9	
Bromoform	ND	920	85	45.9		Isopropylbenzene	ND	46	5.4	45.9	
Bromomethane	ND	920	440	45.9		p-Isopropyltoluene	ND	46	5.3	45.9	
2-Butanone	ND	46	10	45.9		Methylene Chloride	330	460	240	45.9	J
n-Butylbenzene	ND	46	4.7	45.9		4-Methyl-2-Pentanone	ND	920	93	45.9	
sec-Butylbenzene	ND	46	5.7	45.9		Naphthalene	ND	460	15	45.9	
tert-Butylbenzene	ND	46	15	45.9		Carbon Disulfide	ND	46	47	45.9	
Carbon Tetrachloride	ND	46	8.0	45.9		Styrene	ND	46	9.5	45.9	
Chlorobenzene	ND	46	6.9	45.9		1,1,1,2-Tetrachloroethane	ND	46	15	45.9	
Chloroethane	ND	92	19	45.9		1,1,2,2-Tetrachloroethane	ND	92	11	45.9	
Chloroform	ND	46	7.9	45.9		Tetrachloroethene	ND	46	7.8	45.9	
Chloromethane	ND	920	130	45.9		Toluene	8.2	46.0	6.9	45.9	J,B
2-Chlorotoluene	ND	46	5.4	45.9		1,2,3-Trichlorobenzene	ND	92	9.4	45.9	
4-Chlorotoluene	ND	46	4.8	45.9		1,2,4-Trichlorobenzene	ND	92	8.4	45.9	
Dibromochloromethane	ND	92	9.2	45.9		1,1,1-Trichloroethane	ND	46	12	45.9	
1,2-Dibromo-3-Chloropropane	ND	230	170	45.9		1,1,2-Trichloroethane	ND	46	11	45.9	
1,2-Dibromoethane	ND	46	21	45.9		1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	460	22	45.9	
Dibromomethane	ND	46	32	45.9		Trichloroethene	400	92	8.3	45.9	
1,2-Dichlorobenzene	ND	46	5.9	45.9		Trichlorofluoromethane	ND	460	7.2	45.9	
1,3-Dichlorobenzene	ND	46	7.5	45.9		1,2,3-Trichloropropane	ND	92	30	45.9	
1,4-Dichlorobenzene	ND	46	7.1	45.9		1,2,4-Trimethylbenzene	ND	92	5.4	45.9	
Dichlorodifluoromethane	ND	92	8.9	45.9		1,3,5-Trimethylbenzene	ND	92	4.5	45.9	
1,1-Dichloroethane	ND	46	7.3	45.9		Vinyl Acetate	ND	460	340	45.9	
1,2-Dichloroethane	ND	46	7.8	45.9		Vinyl Chloride	ND	46	9.9	45.9	
1,1-Dichloroethene	ND	46	6.4	45.9		p/m-Xylene	ND	92	9.3	45.9	
c-1,2-Dichloroethene	ND	46	13	45.9		o-Xylene	ND	46	5.3	45.9	
t-1,2-Dichloroethene	ND	46	12	45.9		Methyl-t-Butyl Ether (MTBE)	ND	92	6.1	45.9	
1,2-Dichloropropane	ND	46	12	45.9		Hexane	34	46	4.8	45.9	J
1,3-Dichloropropane	ND	46	8.1	45.9		Isopropanol	ND	2300	1000	45.9	
Surrogates:	REC (%)	Control Limits		Qual	Surrogates:	REC (%)	Control Limits		Qual		
Dibromofluoromethane	101	71-137			1,2-Dichloroethane-d4	115	58-160				
1,4-Bromofluorobenzene	102	66-126			Toluene-d8	100	87-111				

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

7440 Lincoln Way, Garden Grove, CA 92841-1427 · TEL:(714) 895-5494 · FAX: (714) 894-7501



Analytical Report



TN & Associates
Engineering & Science
317 East Main Street
Ventura, CA 93001-2624

Date Received: 12/05/06
Work Order No: 06-12-0268
Preparation: EPA 5035
Method: EPA 8260B
Units: ug/kg

Project: PEMACO

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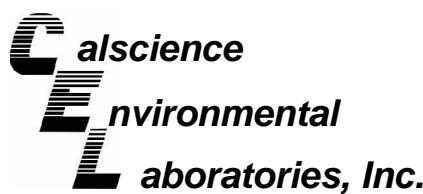
Client Sample Number	Lab Sample Number	Date Collected	Matrix	Date Prepared	Date Analyzed	QC Batch ID
TMP-3-85	06-12-0268-13	12/05/06	Solid	12/05/06	12/06/06	061206L02

Comment(s): -Results were evaluated to the MDL, concentrations >= to the MDL but < RL, if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qual	Parameter	Result	RL	MDL	DF	Qual
Acetone	ND	2200	280	44.3		2,2-Dichloropropane	ND	220	20	44.3	
Benzene	6.4	44.0	6.0	44.3	J,B	1,1-Dichloropropene	ND	89	9.8	44.3	
Bromobenzene	ND	44	9.3	44.3		c-1,3-Dichloropropene	ND	44	8.1	44.3	
Bromoform	ND	89	61	44.3		t-1,3-Dichloropropene	ND	89	84	44.3	
Bromochloromethane	ND	44	6.5	44.3		Ethylbenzene	ND	44	6.9	44.3	
Bromodichloromethane	ND	220	29	44.3		2-Hexanone	ND	890	250	44.3	
Bromoform	ND	890	82	44.3		Isopropylbenzene	ND	44	5.3	44.3	
Bromomethane	ND	890	420	44.3		p-Isopropyltoluene	ND	44	5.1	44.3	
2-Butanone	ND	44	9.8	44.3		Methylene Chloride	240	440	230	44.3	J
n-Butylbenzene	ND	44	4.6	44.3		4-Methyl-2-Pentanone	ND	890	90	44.3	
sec-Butylbenzene	ND	44	5.5	44.3		Naphthalene	ND	440	14	44.3	
tert-Butylbenzene	ND	440	7.8	44.3		n-Propylbenzene	ND	44	45	44.3	
Carbon Disulfide	ND	44	14	44.3		Styrene	ND	44	9.1	44.3	
Carbon Tetrachloride	ND	44	6.6	44.3		1,1,1,2-Tetrachloroethane	ND	44	15	44.3	
Chlorobenzene	ND	89	18	44.3		1,1,2,2-Tetrachloroethane	ND	89	10	44.3	
Chloroethane	ND	44	7.6	44.3		Tetrachloroethene	ND	44	7.5	44.3	
Chloroform	ND	890	130	44.3		Toluene	ND	44	6.6	44.3	
Chloromethane	ND	44	5.2	44.3		1,2,3-Trichlorobenzene	ND	89	9.0	44.3	
2-Chlorotoluene	ND	44	4.6	44.3		1,2,4-Trichlorobenzene	ND	89	8.1	44.3	
Dibromo-3-Chloropropane	ND	220	160	44.3		1,1,1-Trichloroethane	ND	44	11	44.3	
1,2-Dibromo-3-Chloropropane	ND	44	20	44.3		1,1,2-Trichloroethane	ND	44	11	44.3	
1,2-Dibromoethane	ND	44	31	44.3		1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	440	21	44.3	
Dibromomethane	ND	44	5.7	44.3		Trichloroethene	920	89	8.0	44.3	
1,2-Dichlorobenzene	ND	44	7.2	44.3		Trichlorofluoromethane	ND	440	6.9	44.3	
1,3-Dichlorobenzene	ND	44	6.8	44.3		1,2,3-Trichloropropane	ND	89	29	44.3	
1,4-Dichlorobenzene	ND	89	8.6	44.3		1,2,4-Trimethylbenzene	ND	89	5.2	44.3	
Dichlorodifluoromethane	ND	44	7.0	44.3		1,3,5-Trimethylbenzene	ND	89	4.4	44.3	
1,1-Dichloroethane	ND	44	7.5	44.3		Vinyl Acetate	ND	440	330	44.3	
1,2-Dichloroethane	ND	44	6.2	44.3		Vinyl Chloride	ND	44	9.5	44.3	
c-1,2-Dichloroethene	27	44	13	44.3	J	p/m-Xylene	ND	89	8.9	44.3	
t-1,2-Dichloroethene	ND	44	11	44.3		o-Xylene	ND	44	5.1	44.3	
1,2-Dichloropropane	ND	44	12	44.3		Methyl-t-Butyl Ether (MTBE)	ND	89	5.9	44.3	
1,3-Dichloropropane	ND	44	7.8	44.3		Hexane	11	44	4.6	44.3	J
<u>Surrogates:</u>	<u>REC (%)</u>	<u>Control Limits</u>		<u>Qual</u>	<u>Surrogates:</u>	<u>REC (%)</u>	<u>Control Limits</u>		<u>Qual</u>		
Dibromofluoromethane	103	71-137			1,2-Dichloroethane-d4	110	58-160				
1,4-Bromofluorobenzene	101	66-126			Toluene-d8	102	87-111				

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

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Analytical Report



TN & Associates
Engineering & Science
317 East Main Street
Ventura, CA 93001-2624

Date Received: 12/05/06
Work Order No: 06-12-0268
Preparation: EPA 5035
Method: EPA 8260B
Units: ug/kg

Project: PEMACO

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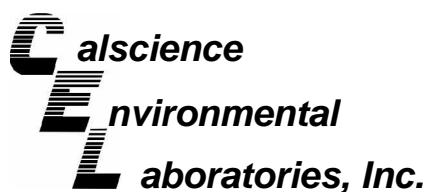
Client Sample Number	Lab Sample Number	Date Collected	Matrix	Date Prepared	Date Analyzed	QC Batch ID
TMP-3-90	06-12-0268-14	12/05/06	Solid	12/05/06	12/06/06	061206L02

Comment(s): -Results were evaluated to the MDL, concentrations >= to the MDL but < RL, if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qual	Parameter	Result	RL	MDL	DF	Qual
Acetone	ND	2800	370	56.9		2,2-Dichloropropane	ND	280	26	56.9	
Benzene	ND	57	7.7	56.9		1,1-Dichloropropene	ND	110	13	56.9	
Bromobenzene	ND	57	12	56.9		c-1,3-Dichloropropene	ND	57	10	56.9	
Bromoform	ND	110	79	56.9		t-1,3-Dichloropropene	ND	110	110	56.9	
Bromochloromethane	ND	57	8.4	56.9		Ethylbenzene	ND	57	8.8	56.9	
Bromodichloromethane	ND	280	38	56.9		2-Hexanone	ND	1100	320	56.9	
Bromomethane	ND	1100	110	56.9		Isopropylbenzene	ND	57	6.7	56.9	
2-Butanone	ND	1100	540	56.9		p-Isopropyltoluene	ND	57	6.6	56.9	
n-Butylbenzene	ND	57	13	56.9		Methylene Chloride	380	570	290	56.9	J
sec-Butylbenzene	ND	57	5.9	56.9		4-Methyl-2-Pentanone	ND	1100	120	56.9	
tert-Butylbenzene	ND	57	7.0	56.9		Naphthalene	ND	570	18	56.9	
Carbon Disulfide	ND	570	10	56.9		n-Propylbenzene	ND	57	58	56.9	
Carbon Tetrachloride	ND	57	18	56.9		Styrene	ND	57	12	56.9	
Chlorobenzene	ND	57	8.5	56.9		1,1,1,2-Tetrachloroethane	ND	57	19	56.9	
Chloroethane	ND	110	24	56.9		1,1,2,2-Tetrachloroethane	ND	110	13	56.9	
Chloroform	ND	57	9.8	56.9		Tetrachloroethene	ND	57	9.6	56.9	
Chloromethane	ND	1100	170	56.9		Toluene	9.4	57.0	8.5	56.9	J,B
2-Chlorotoluene	ND	57	6.6	56.9		1,2,3-Trichlorobenzene	ND	110	12	56.9	
4-Chlorotoluene	ND	57	5.9	56.9		1,2,4-Trichlorobenzene	ND	110	10	56.9	
Dibromochloromethane	ND	110	11	56.9		1,1,1-Trichloroethane	ND	57	14	56.9	
1,2-Dibromo-3-Chloropropane	ND	280	210	56.9		1,1,2-Trichloroethane	ND	57	14	56.9	
1,2-Dibromoethane	ND	57	25	56.9		1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	570	27	56.9	
Dibromomethane	ND	57	40	56.9		Trichloroethene	2700	110	10	56.9	
1,2-Dichlorobenzene	ND	57	7.3	56.9		Trichlorofluoromethane	ND	570	8.9	56.9	
1,3-Dichlorobenzene	ND	57	9.3	56.9		1,2,3-Trichloropropane	ND	110	37	56.9	
1,4-Dichlorobenzene	ND	57	8.8	56.9		1,2,4-Trimethylbenzene	ND	110	6.6	56.9	
Dichlorodifluoromethane	ND	110	11	56.9		1,3,5-Trimethylbenzene	ND	110	5.6	56.9	
1,1-Dichloroethane	ND	57	9.0	56.9		Vinyl Acetate	ND	570	420	56.9	
1,2-Dichloroethane	ND	57	9.7	56.9		Vinyl Chloride	ND	57	12	56.9	
1,1-Dichloroethene	ND	57	7.9	56.9	J	p/m-Xylene	ND	110	11	56.9	
c-1,2-Dichloroethene	34	57	16	56.9		o-Xylene	ND	57	6.5	56.9	
t-1,2-Dichloroethene	ND	57	14	56.9		Methyl-t-Butyl Ether (MTBE)	ND	110	7.5	56.9	
1,2-Dichloropropane	ND	57	15	56.9		Hexane	16	57	5.9	56.9	J
1,3-Dichloropropane	ND	57	10	56.9		Isopropanol	ND	2800	1300	56.9	
Surrogates:	REC (%)	Control Limits		Qual	Surrogates:	REC (%)	Control Limits		Qual		
Dibromofluoromethane	100	71-137			1,2-Dichloroethane-d4	119	58-160				
1,4-Bromofluorobenzene	99	66-126			Toluene-d8	102	87-111				

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

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Analytical Report



TN & Associates
Engineering & Science
317 East Main Street
Ventura, CA 93001-2624

Date Received: 12/05/06
Work Order No: 06-12-0268
Preparation: EPA 5035
Method: EPA 8260B
Units: ug/kg

Project: PEMACO

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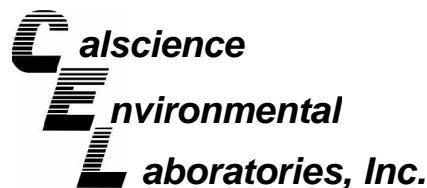
Client Sample Number	Lab Sample Number	Date Collected	Matrix	Date Prepared	Date Analyzed	QC Batch ID
TMP-3-95	06-12-0268-15	12/05/06	Solid	12/05/06	12/06/06	061206L02

Comment(s): -Results were evaluated to the MDL, concentrations >= to the MDL but < RL, if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qual	Surrogates:	REC (%)	Control Limits	Surrogates:	REC (%)	Control Limits	Qual
Trichloroethene	300	140	13	69.3								
Surrogates:	REC (%)	Control Limits		Qual								
Dibromofluoromethane	99	71-137				1,2-Dichloroethane-d4			118	58-160		
1,4-Bromofluorobenzene	97	66-126				Toluene-d8			102	87-111		

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

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Quality Control - Spike/Spike Duplicate



TN & Associates
Engineering & Science
317 East Main Street
Ventura, CA 93001-2624

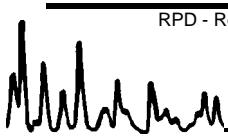
Date Received: 12/05/06
Work Order No: 06-12-0268
Preparation: EPA 5035
Method: EPA 8260B

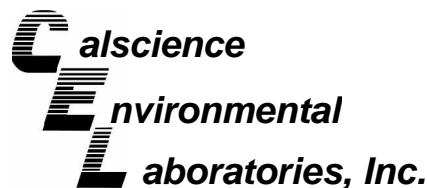
Project PEMACO

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
TMP-3-80	Solid	GC/MS JJ	12/05/06	12/06/06	061206S01

Parameter	MS %REC	MSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Benzene	90	93	40-142	3	0-18	
Carbon Tetrachloride	106	110	37-139	3	0-20	
Chlorobenzene	98	101	43-127	3	0-26	
1,2-Dichlorobenzene	97	99	40-160	2	0-36	
1,1-Dichloroethene	101	106	16-178	4	0-25	
Toluene	94	98	44-128	4	0-15	
Trichloroethene	94	105	47-131	9	0-19	
Vinyl Chloride	83	89	29-161	8	0-42	
Methyl-t-Butyl Ether (MTBE)	100	101	42-150	1	0-34	
Tert-Butyl Alcohol (TBA)	101	95	61-109	7	0-47	
Diisopropyl Ether (DIPE)	90	95	73-133	5	0-25	
Ethyl-t-Butyl Ether (ETBE)	98	102	73-132	4	0-25	
Tert-Amyl-Methyl Ether (TAME)	103	103	82-120	0	0-25	
Ethanol	133	134	39-117	1	0-99	3

RPD - Relative Percent Difference , CL - Control Limit





Quality Control - Spike/Spike Duplicate



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317 East Main Street
Ventura, CA 93001-2624

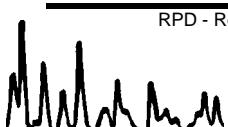
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Work Order No: 06-12-0268
Preparation: EPA 5030B
Method: EPA 8260B

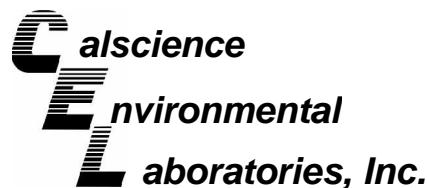
Project PEMACO

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
06-12-0277-1	Aqueous	GC/MS T	12/06/06	12/06/06	061206S01

Parameter	<u>MS %REC</u>	<u>MSD %REC</u>	<u>%REC CL</u>	<u>RPD</u>	<u>RPD CL</u>	<u>Qualifiers</u>
Benzene	103	103	88-118	0	0-7	
Carbon Tetrachloride	96	96	67-145	0	0-11	
Chlorobenzene	103	102	88-118	1	0-7	
1,2-Dichlorobenzene	100	103	86-116	2	0-8	
1,1-Dichloroethene	101	102	70-130	1	0-25	
Toluene	97	98	87-123	1	0-8	
Trichloroethene	98	98	79-127	0	0-10	
Vinyl Chloride	84	85	69-129	1	0-13	
Methyl-t-Butyl Ether (MTBE)	91	93	71-131	2	0-13	
Tert-Butyl Alcohol (TBA)	68	71	36-168	4	0-45	
Diisopropyl Ether (DIPE)	108	110	81-123	2	0-9	
Ethyl-t-Butyl Ether (ETBE)	87	89	72-126	3	0-12	
Tert-Amyl-Methyl Ether (TAME)	84	85	72-126	2	0-12	
Ethanol	91	96	53-149	5	0-31	

RPD - Relative Percent Difference , CL - Control Limit





Quality Control - LCS/LCS Duplicate



TN & Associates
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317 East Main Street
Ventura, CA 93001-2624

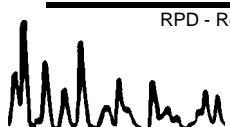
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Work Order No: 06-12-0268
Preparation: EPA 5035
Method: EPA 8260B

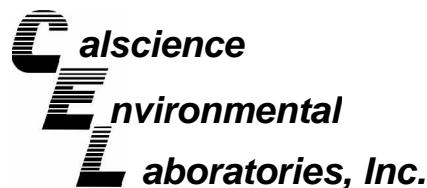
Project: PEMACO

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
099-12-459-64	Solid	GC/MS X	12/06/06	12/06/06	061206L02

Parameter	LCS %REC	LCSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Benzene	96	97	85-115	1	0-11	
Carbon Tetrachloride	79	81	68-134	3	0-14	
Chlorobenzene	98	97	83-119	1	0-9	
1,2-Dichlorobenzene	97	97	57-135	0	0-10	
1,1-Dichloroethene	115	111	72-120	4	0-10	
Toluene	95	96	67-127	1	0-10	
Trichloroethene	100	99	88-112	1	0-9	
Vinyl Chloride	99	95	57-129	4	0-16	
Methyl-t-Butyl Ether (MTBE)	104	102	76-124	2	0-12	
Tert-Butyl Alcohol (TBA)	89	88	31-145	0	0-23	
Diisopropyl Ether (DIPE)	106	103	74-128	3	0-10	
Ethyl-t-Butyl Ether (ETBE)	94	94	77-125	1	0-9	
Tert-Amyl-Methyl Ether (TAME)	91	93	81-123	3	0-10	
Ethanol	94	90	44-152	4	0-24	

RPD - Relative Percent Difference , CL - Control Limit





Quality Control - LCS/LCS Duplicate



TN & Associates
Engineering & Science
317 East Main Street
Ventura, CA 93001-2624

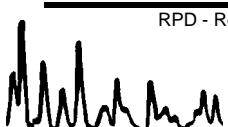
Date Received: N/A
Work Order No: 06-12-0268
Preparation: EPA 5035
Method: EPA 8260B

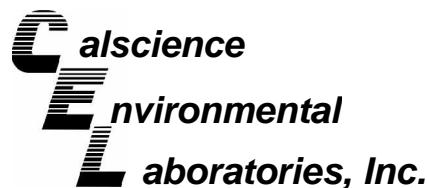
Project: PEMACO

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
099-12-459-62	Solid	GC/MS JJ	12/06/06	12/06/06	061206L02

Parameter	LCS %REC	LCSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Benzene	94	96	85-115	2	0-11	
Carbon Tetrachloride	119	121	68-134	1	0-14	
Chlorobenzene	98	99	83-119	1	0-9	
1,2-Dichlorobenzene	96	101	57-135	5	0-10	
1,1-Dichloroethene	108	109	72-120	1	0-10	
Toluene	98	99	67-127	1	0-10	
Trichloroethene	107	104	88-112	3	0-9	
Vinyl Chloride	84	85	57-129	1	0-16	
Methyl-t-Butyl Ether (MTBE)	102	104	76-124	3	0-12	
Tert-Butyl Alcohol (TBA)	80	85	31-145	7	0-23	
Diisopropyl Ether (DIPE)	95	99	74-128	4	0-10	
Ethyl-t-Butyl Ether (ETBE)	101	103	77-125	2	0-9	
Tert-Amyl-Methyl Ether (TAME)	105	107	81-123	3	0-10	
Ethanol	84	92	44-152	10	0-24	

RPD - Relative Percent Difference , CL - Control Limit





Quality Control - LCS/LCS Duplicate



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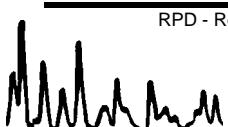
Date Received: N/A
Work Order No: 06-12-0268
Preparation: EPA 5035
Method: EPA 8260B

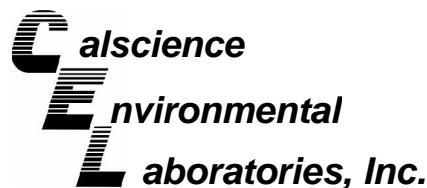
Project: PEMACO

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
099-12-459-65	Solid	GC/MS JJ	12/07/06	12/07/06	061207L01

Parameter	LCS %REC	LCSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Benzene	95	91	85-115	4	0-11	
Carbon Tetrachloride	117	114	68-134	3	0-14	
Chlorobenzene	102	98	83-119	3	0-9	
1,2-Dichlorobenzene	97	97	57-135	1	0-10	
1,1-Dichloroethene	109	105	72-120	3	0-10	
Toluene	99	96	67-127	3	0-10	
Trichloroethene	111	107	88-112	4	0-9	
Vinyl Chloride	87	85	57-129	3	0-16	
Methyl-t-Butyl Ether (MTBE)	100	104	76-124	3	0-12	
Tert-Butyl Alcohol (TBA)	85	88	31-145	3	0-23	
Diisopropyl Ether (DIPE)	95	96	74-128	1	0-10	
Ethyl-t-Butyl Ether (ETBE)	100	102	77-125	2	0-9	
Tert-Amyl-Methyl Ether (TAME)	105	104	81-123	1	0-10	
Ethanol	94	92	44-152	3	0-24	

RPD - Relative Percent Difference , CL - Control Limit





Quality Control - LCS/LCS Duplicate



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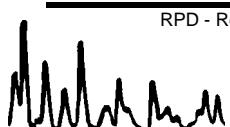
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Preparation: EPA 5035
Method: EPA 8260B

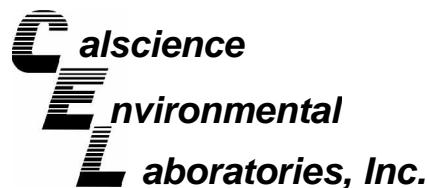
Project: PEMACO

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
099-12-459-69	Solid	GC/MS X	12/08/06	12/08/06	061208L01

Parameter	LCS %REC	LCSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Benzene	98	98	85-115	0	0-11	
Carbon Tetrachloride	78	84	68-134	6	0-14	
Chlorobenzene	98	99	83-119	0	0-9	
1,2-Dichlorobenzene	99	98	57-135	0	0-10	
1,1-Dichloroethene	112	114	72-120	2	0-10	
Toluene	96	96	67-127	1	0-10	
Trichloroethene	101	99	88-112	1	0-9	
Vinyl Chloride	96	97	57-129	2	0-16	
Methyl-t-Butyl Ether (MTBE)	106	111	76-124	4	0-12	
Tert-Butyl Alcohol (TBA)	89	94	31-145	5	0-23	
Diisopropyl Ether (DIPE)	106	107	74-128	2	0-10	
Ethyl-t-Butyl Ether (ETBE)	96	99	77-125	3	0-9	
Tert-Amyl-Methyl Ether (TAME)	94	95	81-123	1	0-10	
Ethanol	100	104	44-152	5	0-24	

RPD - Relative Percent Difference , CL - Control Limit





Quality Control - LCS/LCS Duplicate



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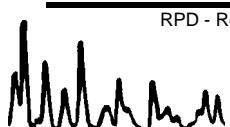
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 Work Order No: 06-12-0268
 Preparation: EPA 5030B
 Method: EPA 8260B

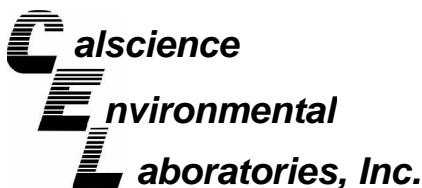
Project: PEMACO

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
099-10-006-19,803	Aqueous	GC/MS T	12/06/06	12/06/06	061206L01

Parameter	LCS %REC	LCSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Benzene	103	104	84-120	1	0-8	
Carbon Tetrachloride	97	99	63-147	2	0-10	
Chlorobenzene	102	103	89-119	0	0-7	
1,2-Dichlorobenzene	102	104	89-119	2	0-9	
1,1-Dichloroethene	105	105	77-125	0	0-16	
Toluene	98	97	83-125	0	0-9	
Trichloroethene	99	98	89-119	1	0-8	
Vinyl Chloride	86	87	63-135	1	0-13	
Methyl-t-Butyl Ether (MTBE)	95	96	82-118	1	0-13	
Tert-Butyl Alcohol (TBA)	69	70	46-154	0	0-32	
Diisopropyl Ether (DIPE)	112	114	81-123	2	0-11	
Ethyl-t-Butyl Ether (ETBE)	92	94	74-122	2	0-12	
Tert-Amyl-Methyl Ether (TAME)	88	88	76-124	0	0-10	
Ethanol	90	93	60-138	3	0-32	

RPD - Relative Percent Difference , CL - Control Limit





Glossary of Terms and Qualifiers



Work Order Number: 06-12-0268

<u>Qualifier</u>	<u>Definition</u>
*	See applicable analysis comment.
1	Surrogate compound recovery was out of control due to a required sample dilution, therefore, the sample data was reported without further clarification.
2	Surrogate compound recovery was out of control due to matrix interference. The associated method blank surrogate spike compound was in control and, therefore, the sample data was reported without further clarification.
3	Recovery of the Matrix Spike or Matrix Spike Duplicate compound was out of control due to matrix interference. The associated LCS and/or LCSD was in control and, therefore, the sample data was reported without further clarification.
4	The MS/MSD RPD was out of control due to matrix interference. The LCS/LCSD RPD was in control and, therefore, the sample data was reported without further clarification.
5	The PDS/PDSD associated with this batch of samples was out of control due to a matrix interference effect. The associated batch LCS/LCSD was in control and, hence, the associated sample data was reported with no further corrective action required.
A	Result is the average of all dilutions, as defined by the method.
B	Analyte was present in the associated method blank.
C	Analyte presence was not confirmed on primary column.
E	Concentration exceeds the calibration range.
H	Sample received and/or analyzed past the recommended holding time.
J	Analyte was detected at a concentration below the reporting limit and above the laboratory method detection limit. Reported value is estimated.
N	Nontarget Analyte.
ND	Parameter not detected at the indicated reporting limit.
Q	Spike recovery and RPD control limits do not apply resulting from the parameter concentration in the sample exceeding the spike concentration by a factor of four or greater.
U	Undetected at the laboratory method detection limit.
X	% Recovery and/or RPD out-of-range.
Z	Analyte presence was not confirmed by second column or GC/MS analysis.

